

Pictures Sent Here by Wire From St. Louis

Edouard Belin, the French Scientist, Demonstrates His Latest Invention With Utmost Success

Ray of Light the Secret

Transmission Takes but Ten Minutes; Noted Men Witness the Experiments

Transmission of photographs over an ordinary telegraph wire was demonstrated by Edouard Belin, the French inventor, yesterday, in the sending and receiving of photographs between New York and St. Louis. The demonstrations took place in the World Building, at the invitation of The World, in the presence of men interested in telegraphy and telephony.

It was said that Mr. Belin's invention marks an advance over other photograph transmission instruments in that he is able to reproduce over great distances actual photographs, whereas heretofore only pictures made by dots or lines have been transmitted. The spectators were shown that a photograph made on a cylinder, which resembled an old-fashioned phonograph record, when placed on the sending instrument in St. Louis, conveyed to a receiving cylinder in New York a thread of light, almost microscopic in thickness. The thread of light falling on the sensitized surface of the receiving cylinder left an image like that transmitted to the flat surface of a photograph plate.

Required Ten Minutes
The first photograph sent over the wire was an autographic message from Ralph Pulitzer in New York to Joseph Pulitzer of the St. Louis Post-Dispatch. Two photographs from New York were then sent. These were a view of lower Manhattan taken from a plane and a snapshot of the Yale-Princeton football game taken on Saturday. From St. Louis were received photographs of a boat on the Mississippi River and of an Indian chief.

The picture of the Indian chief which was sent first was received in perfect condition. In sending the picture of the Mississippi River steamboat, however, the microphone was cracked in St. Louis and a new one had to be substituted. The picture came through notwithstanding this handicap, but was not so clear as that of the Indian.

The winding of the thread of light around the receiving cylinder for each photograph required about ten minutes. The exposed negatives were carried to a dark room, developed and printed, and within a short time the spectators were able to look upon the identical picture which less than half an hour before had been available only in St. Louis.

"In developing his invention Mr. Belin described all instruments which reproduced by dots and lines," said Arthur Benington, who explained the technical phases of the transmission. "He worked on the theory that as a photograph can be produced only by light, it can be reproduced only by light. The secret of his invention. The photograph to be sent is first turned into a photograph record."

"The needle of the phonograph traverses every minute part of the record, and the diaphragm of the microphone to which it is attached, transmit over the wire a current that varies with the surface over which the needle passes. No matter how far distant the receiving instrument is the variations of the current arrive unchanged at the far end."

Ray of Light the Secret
"At the receiving point the current moves a tiny mirror, which quivers in accord with the vibrations on the diaphragm on the sending instrument. The quiverings of this mirror send a ray of light flickering back and forth through a small glass screen graduated from opacity to transparency, allowing the light to pass in varying degrees of intensity."

"The effect of this is to expose the sensitized surface to a ray of light, which, as the cylinder revolves rapidly and progresses slowly along the line of its axis, traces a spiral line around the cylinder until all its surface has been covered."

Star Wrestlers to Meet
Wladek Zbyszko and Ed "Strangler" Lewis will feature the wrestling program at the 71st Regiment Armory next Monday night. Joe Stecher will defend his world's title against O'Donnell, the French giant, and Amos Latinen, Hjalmar Lundin's new Finn, will meet Chevalier, the Georges Carpentier of the wrestling game.

Photograph Sent by Wire



Copyrighted by The New York World.
First photograph ever sent in America by means of teletography (picture transmitted by wire) to The New York World from St. Louis by The Post-Dispatch Sunday afternoon. The time required for transmission was eight minutes. The picture has not been retouched.

Two New York Actresses Are Found Slain

(Continued from page one)

to the undertaking rooms and identified the bodies as those of two women who had visited his place about ten o'clock Saturday night.

Citti said they bought a bottle of olive oil and a pound of chestnuts from him, then departed. He said he gave them a couple of drinks of wine and they left, alone. Citti was not held.

No trace of the women has been found from then until their bodies were discovered in the park some twelve hours later. Where they went from the Citti Brothers' store, whom they met and the incidents leading up to the slaying are still a mystery.

Marks of a Diamond-tired automobile indicated that a car had been driven through the park at the Monroe Street entrance to the lake, south along the lake to the spot opposite Jackson Boulevard and apparently had there, for the indentations of the tires in the soft earth are very deep.

After pausing, perhaps for a long enough time to throw the two women from the car, it proceeded south to Van Buren Street and emerged from the park over the Van Buren Street viaduct. The smaller woman, Marie McCarthy, may have been dead before her body was hurled from the car, as there were no signs of a struggle about the spot where her body was lying. The larger one, Lillian Meeks, however, appeared to have been alive, though bleeding.

There were four pools of blood, and a trail clearly marked in the grass indicated she struggled before death came. Her hands were cut and her face was covered with blood. Two men were awake all night within a few hundred yards of the spot where the bodies were found. One was William Shine, night watchman at the Chicago Yacht Club house. The other was John J. Capps, a sailor on guard duty at the United States Naval Reserve training ship at the foot of Randolph Street.

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A Gold Problem

A gold mine is not an asset today, but a liability, for in general it costs more to produce an ounce of gold under current conditions of labor and cost of materials than the metal itself will bring in the open market.

Hon. Louis T. McFadden, Representative from Pennsylvania, a state whose production of gold is negligible, to say the least, and who is therefore unbiased, sponsors a bill providing for the maintenance of a normal gold production in protection of the gold reserve by a tax upon the use of the precious metal, to be paid to the miner. While theorists argue the economics, ethics and politics of the gold question, inflation, deflation, high prices, low prices, Mr. McFadden attacks the problem practically.

Mr. McFadden is a forward-looking man. He perceives that after readjustment and when business has again started up, we may lose headway and drift for lack of a suitable amount of gold as a basis for the big credits of the future. He properly believes that the time to consider this thing is now and before we arrive at a period and frame of mind, as we should apparently do under present circumstances, when bi-metalism would again become the proposed solution.

The question is a momentous one for the business of the United States, and this it is scarcely necessary to point out is the interest of the Harriman National Bank in the question of aiding the gold miner. Mr. McFadden's address will be found interesting and informing reading by all intelligent people, and we will continue to respond to requests for copies while the supply lasts.

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Bureau Is Formed To Compile Record Of Roosevelt's Life

Biographical Data and Facts of Colonel's Public Career To Be Collected for Use of Teachers and Lecturers

Formation of a bureau of Roosevelt research and information was announced yesterday by William Boyce Thompson, president of the Roosevelt Memorial Association. Headquarters will be at 1 Madison Avenue. The immediate aims of the bureau, Mr. Thompson announced, will be:

To collect all available biographical matter concerning Theodore Roosevelt from public documents, newspapers and magazines, and directly from the men and women who were close to Colonel Roosevelt during his life or during some period of it.

To collect the best photographs of Theodore Roosevelt, his friends, his opponents and scenes connected with the most striking events of his career. To publish from time to time, as the trustees of the memorial association may decide, authoritative works dealing with the life of Theodore Roosevelt, and

information to school teachers and lecturers concerning the character and career of Theodore Roosevelt.

The director of the bureau is Herman Hagon, secretary of the memorial association, who is assembling material for a book dealing with Colonel Roosevelt's career as a Western rancher. The book, entitled "Roosevelt in Dakota," will be published in the spring.

Establishment of the bureau was upon recommendation of a committee of which Gifford Pinchot is chairman. Mr. Pinchot said yesterday:

"It is the conviction of the committee on the perpetuation of Roosevelt's ideals that the most important work for the memorial association to undertake at the moment is the collection, collation and dissemination of information about Theodore Roosevelt's life and personality, his governmental principles and his social ideals. We cannot have Roosevelt with us in the flesh. No more can we spare him as a vital force in American affairs. We ought never to lose our touch with his fearless, wise, American soul, or the way he dealt with the problems of his own time."

"We need a symbol of him in stone or bronze, but we need equally a memorial of a different sort that will keep Roosevelt the American alive in the hearts and minds of America's youth. Such a memorial will grow with our knowledge of his greatness, and will bring his spirit and point of view to bear on the difficult problems which we must face in the years to come."

Several thousand Boy Scouts from New York and vicinity will make a pilgrimage to Colonel Roosevelt's grave on November 26, the day after Thanksgiving. It is proposed to make this pilgrimage an annual event. The Scouts will be transported from their various headquarters to Oyster Bay. They will hike to Sagamore Hill and the Roosevelt grave, where ceremonies will be held. Lieutenant Colonel Theodore Roosevelt will be one of the speakers.

St. John's School Hall Burns
ST. JOHN'S, N. Y., Nov. 14.—Academy Hall, the largest building at St. John's Military School at Manlius, was destroyed by fire to-day. The loss was estimated at \$200,000. The flames did not reach the living quarters of the students and no one was injured. The building burned replaced one which was destroyed by fire in 1902.

Methodists to Discuss Unified World Program

Council at Boston Meeting Plans to Correlate Many Boards and Societies

The annual meeting of the council of the Methodist Episcopal Church will be held in Boston on Wednesday and Thursday to correlate the many con-

nectional boards and societies. The purpose of the meeting, it was announced yesterday, will be to obtain a harmonious and unified world program of missionary, educational and benevolent activities, unified policy and appeal, the elimination of duplication of activities, and to promote a larger measure of economy and efficiency.

The council consists of fifteen members of the board of foreign missions, seven members of the board of education for negroes, nine members of the board of Sunday schools, seven members of the board of education for whites, seven members of the board of conference claimants, two members of the board of temperance, prohibition and morals; two members of the general deaconess board, two members of the board of Epworth League, two members of the board of hospitals and homes, and one ministerial and one lay representative of each episcopal area in the United States.

Gallivan Denies Using Politics in Hog Island Deal

Boston Congressman Promises to 'Turn Up Thieves' Who Got on Government Pay Roll at Philadelphia

Special Dispatch to The Tribune

BOSTON, Nov. 14.—Congressman James A. Gallivan to-day issued a denial of the charge by Robert E. Kline, director of the Hog Island shipyards, that Mr. Gallivan had used political influence and threats to bring about the rejection of a bid for waste iron and steel.

"If God gives me length of life and strength enough to go back to Washington in December," said Congressman Gallivan to-day on his return from New York, "I'll turn up the band of thieves who happened to get on the government pay roll at Philadelphia."

The Massachusetts Congressman also characterized some of the men connected with the emergency shipping activities as a "cheap, crooked crowd" and added: "I'm going after those guys."

Congressman Gallivan's ire was stirred particularly by the testimony given in New York Saturday before the Walsh committee investigating alleged abuses existing under government operation of shipping, in which it was charged by Mr. Kline that the government suffered a loss by Convention Gallivan's intervention in the awarding of contracts.

A man named Sanborn or Shamborn, named as Gallivan's constituent. No such name appears in the Boston directory, and Congressman Gallivan said to-day he could not remember the name of the man interested, but declared he acted for him only because he was a constituent.

"I saved the government a lot of money on the deal," declared the congressman to-day. "I stopped them from putting over a crooked deal. They were a lot of thieves and I uncovered them. It was an outrageous affair. It was an open attempt to swindle the government."

Kansas Industrial Court Begins First Trial of Employers

Seven Topeka Flour Milling Concerns Accused of Cur-tailing Production to Bring About Higher Prices

TOPEKA, Kans., Nov. 14.—The first hearing before the Kansas Court of Industrial Relations, at which employers are cited on a charge of violating the provisions of the Court act prohibiting curtailment of production in an industry essential to public welfare to affect prices is set for to-morrow, when heads of seven Topeka flour-milling concerns are to appear as defendants.

According to court officials, the proceedings originated with the court and were not prompted by complaints of individuals. The order stated that the court had information to indicate that curtailment of flour production existed throughout the state. Only Topeka millers are cited in the present proceedings, however.

Announcement is made by the millers that their defense will be a denial of the court's charge and a contention that it has been found necessary to curtail production for sound business reasons, and not to affect prices; that the demand for flour has fallen off because the Northwestern millers are able to manufacture flour from wheat purchased in Canada cheaper than Kansas wheat can be bought, and, therefore, can place the flour on the market at a barrel cheaper than the Kansas millers' product.

Another reason, the millers assert, is the recent revision order by the United States Shipping Board, cutting the export duty on wheat from 25 cents to 5 cents a hundred, thus, they say, enabling European millers to buy wheat in the United States and from it manufacture flour which they can market at a price lower than American flour can be marketed abroad, the export duty on flour having been left intact by the Shipping Board. The millers generally admit they have reduced their forces materially and that some plants have closed down temporarily.

The case attracted wide attention in the ranks of both employers and employees.

Mining Congress Wants Revision of Tax Laws

Session Opening in Denver To-day Would Clear Atmosphere Between Capital and Labor

DENVER, Nov. 14.—Complete revision of all tax laws pertaining to the mining industry, a clearing of the atmosphere between capital and labor, and a general review of the gold problem are among the subjects slated for action at the twenty-third annual convention of the American Mining Congress beginning here to-morrow and to continue until November 20.

"Excessive taxation which has all but killed the industry," said an official announcement issued at headquarters here, "will be chief among the matter discussed."

The allied tax committee of the congress, which met recently in New York, will bring a report to the convention recommending complete revision of all existing mining tax laws, both national and local.

In addition it is generally recognized among mining men there must be

a general clearing of the atmosphere to show where the reasonable line is between capital and labor."

Legislation which would "require incorporation of labor unions to make contracts binding and enforceable" will be proposed and discussed, it was said officially.

Eight general divisions of work will be undertaken by the convention, according to the program. They are: Industrial, legislation, standardization, taxation, the gold problem, including furtherance of a movement to prevent greater depletion of the nation's monetary gold reserve; flotation

conference and schools of mines and metallurgy.

Madrid Clerks' Strike Spreads
MADRID, Nov. 14.—The strike of store clerks in Madrid is spreading rapidly. The strikers met to-day at their headquarters to discuss the question of whether all the trade unions shall join in a sympathetic strike. Many employers have offered to concede the men's demands, but these will not be accepted by the strikers until the offer is unanimous, the men declare.



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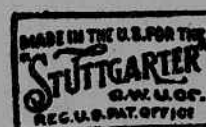
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